

Hoosier Riverwatch Biological Monitoring Data Sheet

Date: ____/____/____

Volunteer ID: _____

Site ID: _____

Stream Name: _____

Latitude: _____

Longitude: _____

Time ____:____ AM / PM

Time Sampling: _____ hrs

Air Temp.: _____ °C

Current Weather: Clear/Sunny Overcast Showers Rain (steady) Storm (Heavy)

Worst Weather (past 48 hours): Clear/Sunny Overcast Showers Rain (steady) Storm (Heavy)

Check Methods Used: Kick Seine Net (3 times) Dip Net (20 jabs or scoops)

Check Habitats Sampled: Undercut Banks Riffles Leaf Packs Snags/Vegetation Sediment

Pollution Tolerance Index (PTI)

Record the taxa (group) represented in your sampling by either entering the number of organisms you counted or a ✓

<u>Group 1 - Intolerant</u>	<u>Group 2 - Moderately Intolerant</u>	<u>Group 3 - Fairly Tolerant</u>	<u>Groups 4 - Very Tolerant</u>
<input type="checkbox"/> Stonefly nymph	<input type="checkbox"/> Damselfly nymph	<input type="checkbox"/> Leech	<input type="checkbox"/> Aquatic worm
<input type="checkbox"/> Mayfly nymph	<input type="checkbox"/> Dragonfly nymph	<input type="checkbox"/> Midge larva	<input type="checkbox"/> Blood midge larva (red)
<input type="checkbox"/> Caddisfly larva	<input type="checkbox"/> Scud	<input type="checkbox"/> Planaria/ Flatworm	<input type="checkbox"/> Rat-tailed Maggot
<input type="checkbox"/> Riffle Beetle	<input type="checkbox"/> Sowbug	<input type="checkbox"/> Black fly larva	<input type="checkbox"/> Left-Handed or Pouch snail
<input type="checkbox"/> Dobsonfly Larva	<input type="checkbox"/> Crane fly larva		
<input type="checkbox"/> Right-Handed or Gilled snail	<input type="checkbox"/> Clam/Mussel		
<input type="checkbox"/> Water Penny	<input type="checkbox"/> Crayfish		
<input style="border: 2px solid black;" type="text"/> # of TAXA represented	<input style="border: 2px solid black;" type="text"/> # of TAXA represented	<input style="border: 2px solid black;" type="text"/> # of TAXA represented	<input style="border: 2px solid black;" type="text"/> # of TAXA represented
<input style="border: 2px solid black;" type="text"/> Weighting Factor (x4)	<input style="border: 2px solid black;" type="text"/> Weighting Factor (x3)	<input style="border: 2px solid black;" type="text"/> Weighting Factor (x2)	<input style="border: 2px solid black;" type="text"/> Weighting Factor (x1)

Pollution Tolerance Index Rating

(Add the final index values for each group)

PTI Ratings	
Excellent	23 or More
Good	17 - 22
Fair	11 - 16
Poor	10 or Less

Please check other Biological Indicators you observed:

Native Mussels Zebra Mussels Rusty Crayfish Aquatic Plants

_____ % Algae Cover

_____ Diversity Index